

IAP15 Rec'd PCT/PTO 06 APR 2006

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

In re: Application of BURNE et al.  
International Application: PCT/US2004/033214  
International Filing Date: 7 October 2004  
For: RECOMBINANT ALKALINIZING BACTERIA

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Dear Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56, Applicants hereby notify the U.S. Patent Office of the documents which are listed on the attached Form PTO/SB/08B.


Submission of the listed documents is not intended as an admission that such documents constitute prior art against the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any of the listed documents as competent references against the present application. Applicants submit that the present invention is patentable over the cited references.

Although no fee is believed to be due, the Commissioner is hereby authorized to charge any underpayment to Deposit Account No. 50-0951.

Respectfully submitted,

AKERMAN SENTERFITT

Date: April 6, 2006

  
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Docket No.: 5853-454-1

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Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

Sheet	1	of	2
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**Complete if Known**

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	BURNE
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	5853-454-1

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

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Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	Not Yet Assigned
		Filing Date	Herewith
		First Named Inventor	BURNE
		Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
Sheet 2	of 2	Attorney Docket Number	5853-454-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Griswold, A. et al. "Analysis of an Arginine Deiminase Gene Cluster in Streptococcus mutans UA159", 2004, Journal of Bacteriology, 186(6):1902-1904	
		Kuramitsu, H.K. "Molecular Genetic Analysis of the Virulence of Oral Bacterial Pathogens: An Historical Perspective", 2003, Crit. Rev. Oral Biol. Med., 14(5):331-344	
		Dong, Y. et al. "Isolation and Molecular Analysis of the Gene Cluster for the Arginine Deiminase System from Streptococcus gordonii DL1", 2002, Applied and Environmental Microbiology, 68(11):5549-5553	
		Ajdic, D. et al. "Genome sequence of Streptococcus mutans UA159, a cariogenic dental pathogen", 2002, PNAS, 99(22):14434-14439	
		Morou-Bermudez, E. et al. "Analysis of Urease Expression in Actinomyces naeslundii WVU45", 2000, Infection and Immunity, 68(12):6670-6676	
		Griswold, A. et al. "Characterization of the Arginine Deiminase Operon of Spectococcus rattus FA-1", 2003, Applied and Environmental Microbiology, 70(3):1321-1327	
		Clancy, K. et al. "Characterization of Recombinant, Ureolytic Streptococcus mutans Demonstrates an Inverse Relationship between Dental Plaque Ureolytic Capacity and Cariogenicity", 2000, Infection and Immunity, 68(5):2621-2629	
		Clancy, A. et al. "Construction and characterization of a recombinant ureolytic Streptococcus mutans and its use to demonstrate the relationship of urease activity to pH modulating capacity", 1997, FEMS Microbiology Letters, Vol. 151, pgs. 205-211	
		Burne, R.A., et al. "Alkali production by oral bacteria and protection against dental caries", FEMS Microbiology Letters, Vol. 93, pgs 1-6	
		Chen, Y.M. et al. "Streptococcus salivarius Urease: Genetic and Biochemical Characterization and Expression in a Dental Plaque Streptococcus", 1996, Infection and Immunity, 64(2):585-592	

Examiner Signature	Date Considered
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